

TCCATGCTGCACTGTGTGGCCAACCCCATCCTCTACAAC TTCTCAGCCCGAGCTTCCGGGGCC
GACTGCTGAGCCTTGTGGTTTCGTTACCTTCCCAAGGAGCAGGCCAGGGCAGCAGGTGGTCGTGC
CTCCTCTTCTTCTTCCACCCAGCACTCCATCATCATTACCAAAGAGGGCAGCCTGCCCGCTGCA
GCGGATCTCCACACCCACCCCATCCGAAACGTTTCAGGCGTCTCTCCGCCTCCAAACACCTCAC
CTACACTCTGCAATTCCGTAGCCAGCTAAGGTAGACTCTAGCTTCTCTCCACCAATAAGAAAGTT
CAGAGGGGGATGCGAGAGGTCTGTGGGAGGGGGTGGGAAGGACTGGCTTGTTCAGGGCCAATTT
AAGTATATCAAAACGTTGCTGTGGGGAGAGGGAAACGGTTTCGGAAGGACAGAGAATGGATCTT
TCCTTGATAGTACACTATTTGTTTGGGTACTGATGTCTAAGGGAGCCACACCGGTGGGGCGTGG
GGGGTGGGGAAGCG (SEQ ID NO:1)

090314 : 070601

underlined = deleted in targeting construct

[]= sequence flanking Neo insert in targeting construct

[TCCATGCTGCACTGTGTGGCCAACCCATCCTCTAC] AACTTTCTCAGCCCCGAGCTTCC
GGGGCCGACTGCTGAGCCTTGTGGTTCGTTACCTTCCCAAGGAGCAGGCCAGGGCAGCAG
GTGGTCGTGCCCTCCTCTTC [TTCTTCCACCCAGCACTCCATCATCATTACCAAAGAGGGC
AGCCTGCCCCGCTGCAGCGGATCTCCACACCCACCCCATCCGAAACGTTCAGGCGTCTCT
CCGCC'TCCAAACACCTCACC'TACACTCTGCAAT'TCCGTAGCCAGCTAAGGTAGACTCTAG
CTTCC'TCCACCAATAAGAAAGTTCAGAGGGGGATGCGAGAGGTCTGTGGGAGGGGGTGGG
AAGGACTGGCTTGTTTCAGGGCCAATTTAAGTATATCAAAACGTTGCTGTGGGGAGAGGGA
AACGGTTCGGGAAGGACAGAGAATGGATCTTTCCTTGATAGTACACTATTTGTTTGGGTA
CTGATGTCTAAGGGAGCCACACCGGTGGGGCGTGGGGGGTGGGGAAGCG]

FIGURE 2A

109020" 67500660

Gene Sequence Structure
*

37 bp

Sequence Deleted

137 bp

Size of partial cDNA: 526 bp



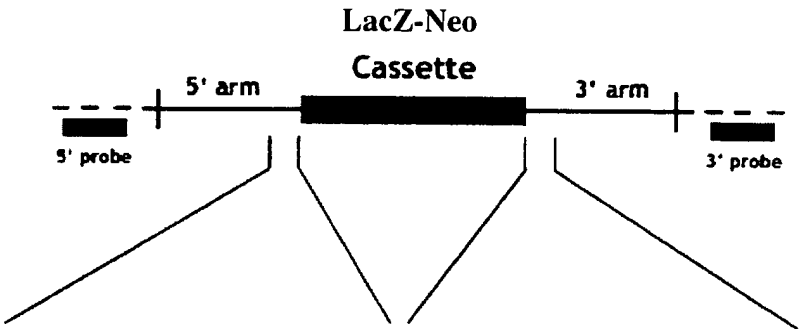
Targeting Vector* (genomic sequence)

Construct Number: 3267

Arm Length: .

5': 2.5 kb

3': 1.8 kb



5' >GGCGCCACTGCCTGTTGATGT GGGCTTACATAGTTGTCTTTGCCA TCTGCTGGCTGCCCTACCAAGTGA CTATGCTGCTGCTCACTCTGCACG GGACCCACATCTTCCTCCACTGTC ACCTGGTTAACCTTCTCTACTTCT TCTACGAAATCATCGACTGCTTTT CCATGCTGCACTGTGTGGCCAACC CCATCCTCTAC<3' (SEQ ID NO:2)	5' >TTCTTCCACCCAGCACTCCAT CATCATTACCAAAGAGGGCAGCCT GCCCCGTGCAGCGGATCTCCACAC CCACCCCATCCGAAACGTTTCAGGC GTCCTCTCCGCCCTCCAAACACCTC ACCTACACTCTGCAATTCTGTAGC CAGCTAAGGTAGACTCTAGCTTCC TCCACCAACAAGAAAGTTCAGAGG GGGATGCGAGA<3' (SEQ ID NO:3)
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Targeting Vector

Endogenous Locus

Not drawn to scale

FIGURE 2B